PATENT ABSTRACTS OF JAPAN

(11) Publication number: 11221468 A

(43) Date of publication of application: 17.08.99

(51) Int. CI

B01J 29/076 B01D 53/94 B01J 29/42

(21) Application number: 07194657

(22) Date of filing: 31.07.95

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(54) CATALYST FOR REDUCING NITROGEN OXIDE AND REDUCTION OF NITROGEN OXIDE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a catalyst for reducing NOx in an exhaust gas containing only relatively lower hydrocarbons such as the combustion crystalline metallosilicate is 0.01-0.2 μm . exhaust gas of natural gas, which has enough low temperature activity and durability even in an exhaust COPYRIGHT: (C)1999,JPO

gas containing water vapor, or the like, and to provide a method for reducing NOx using this catalyst.

SOLUTION: In a catalyst which contains at least a crystalline metallosilicate with Co ion-exchanged and reduces NOx by hydrocarbons under excess oxygen, the average diameter of the primary particles of the